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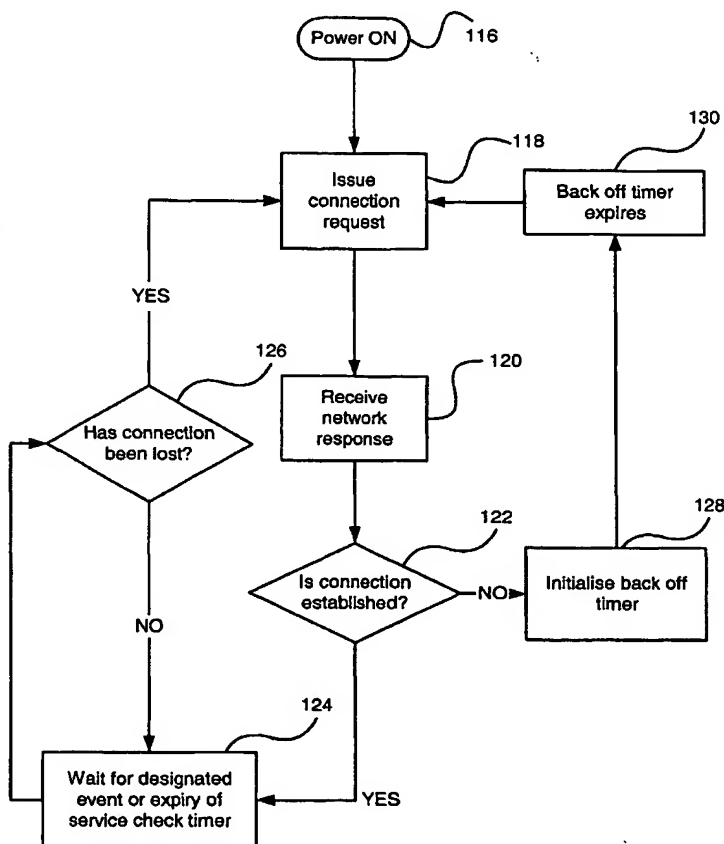
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(54) Title: METHOD AND SYSTEM FOR MAINTAINING A WIRELESS DATA CONNECTION



(57) Abstract: A system and method for establishing and maintaining an "always-on" data connection to a wireless network through the use of a back off timer and a service check timer is disclosed. The back off timer is initialized to a determined value when a connection is not established. When the timer expires, a connection attempt is made. As further connection attempts are made, the back off timer is set to ever-increasing values. When the data connection is established, the service check timer is initialized. The data connection status is determined at the expiry of the service check timer. When, at the expiry of the service check timer, the data connection is determined to be lost, the connection method is employed.

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A. CLASSIFICATION OF SUBJECT MATTER
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B. FIELDS SEARCHED

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Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the International search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data, PAJ, INSPEC

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	WO 01 47142 A (DENSO CORP ;HUNZINGER JASON F (US); CHENG MARK W (US)) 28 June 2001 (2001-06-28) page 3, line 21 -page 5, line 19 page 13, line 1 -page 19, line 2; figure 4	1,7,8
X	US 2002/082033 A1 (LOHTIA ANIT ET AL) 27 June 2002 (2002-06-27) page 2, paragraph 26 -page 3, paragraph 33 page 4, paragraph 45 -page 6, paragraph 57; figures	12,13, 16,21

☐ Further documents are listed in the continuation of box C.

☒ Patent family members are listed in annex.

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INTERNATIONAL SEARCH REPORT

Information on patent family members

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Patent document cited in search report		Publication date	Patent family member(s)	Publication date
WO 0147142	A	28-06-2001	WO 0147142 A1	28-06-2001
US 2002082033	A1	27-06-2002	NONE	